



1/27

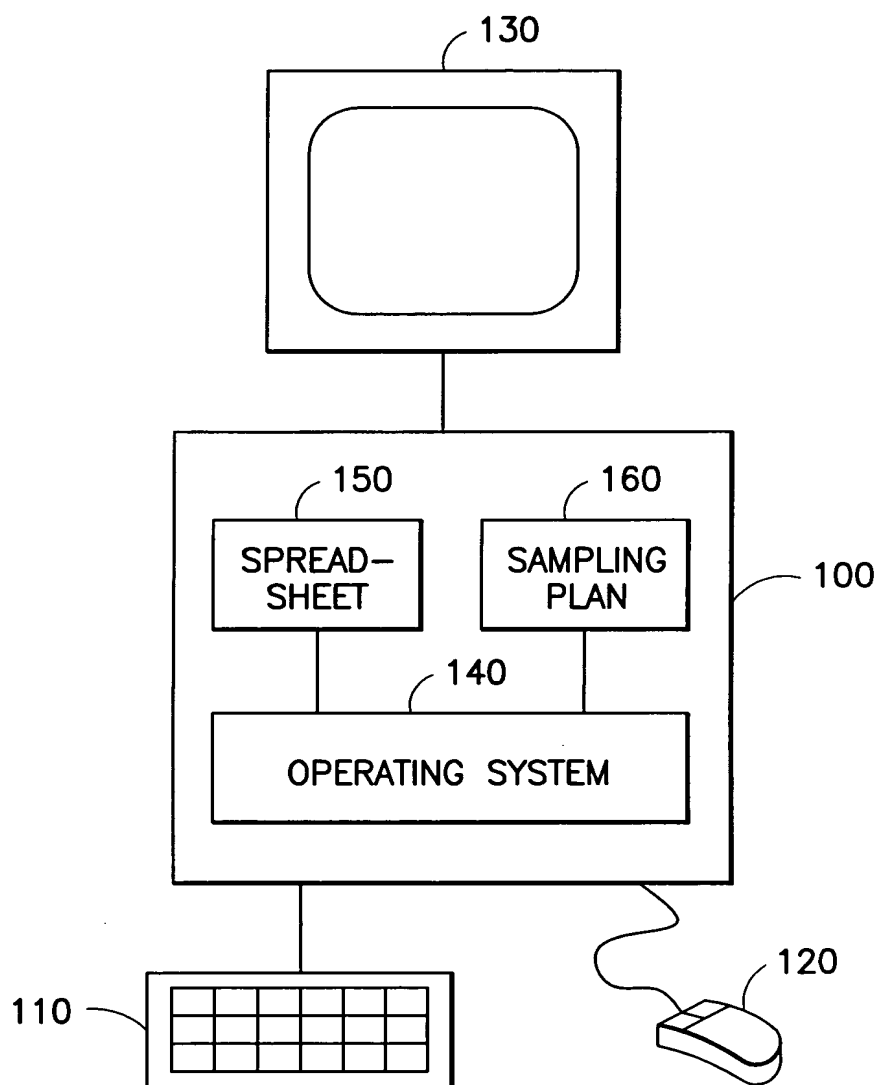


FIG. 1

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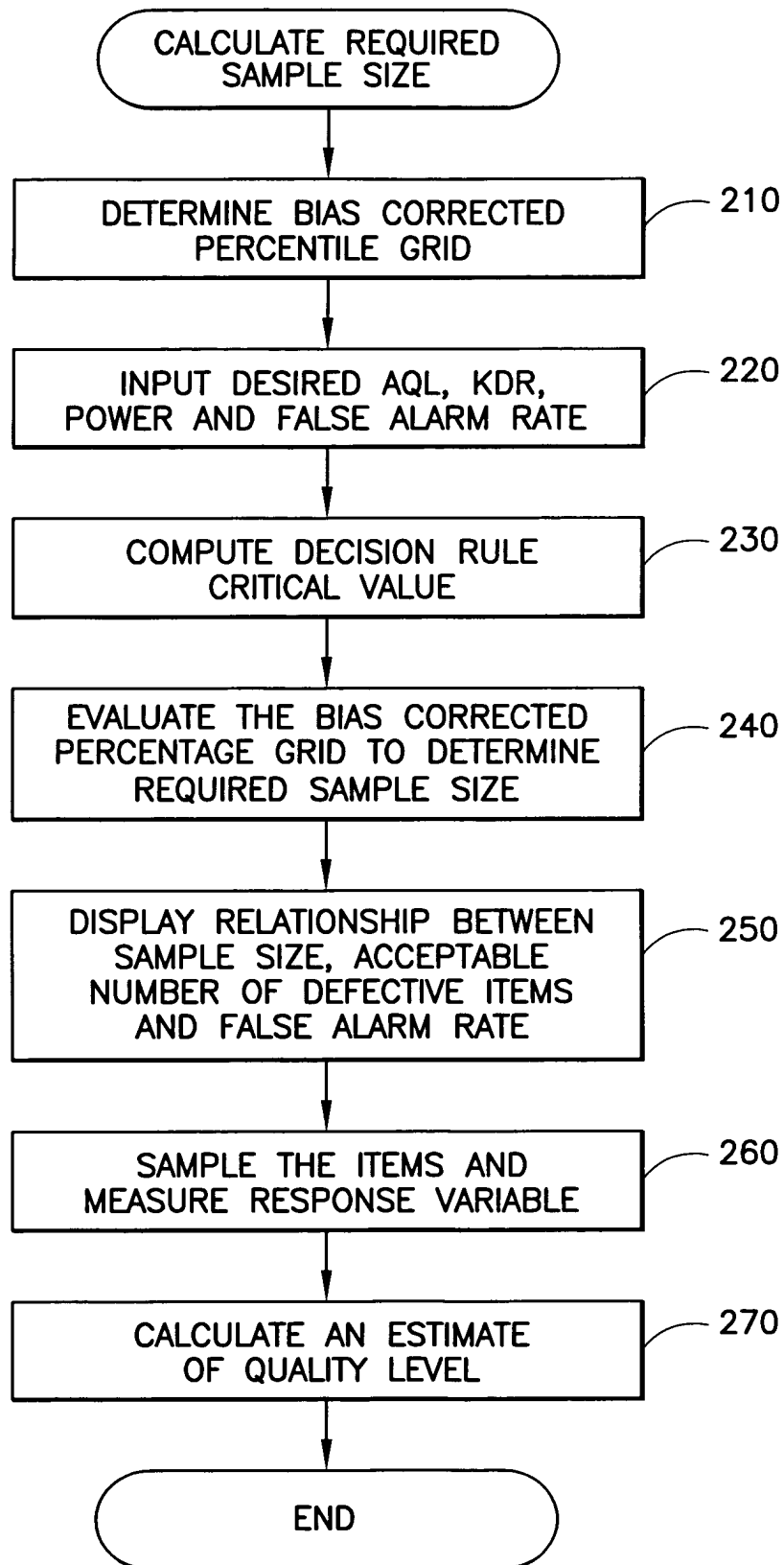


FIG.2

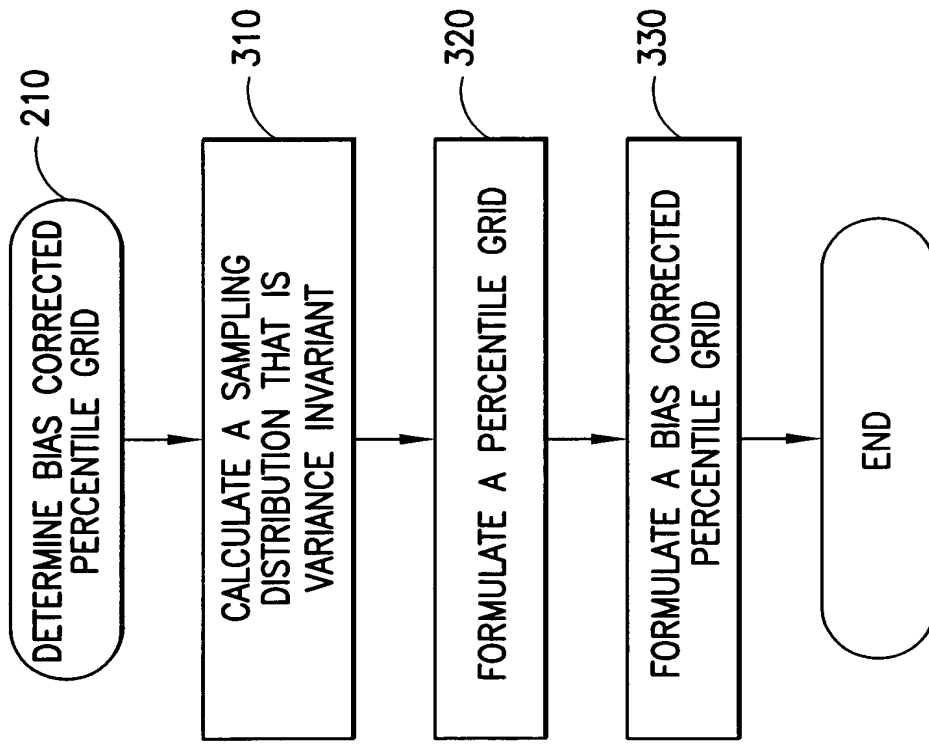


FIG.3

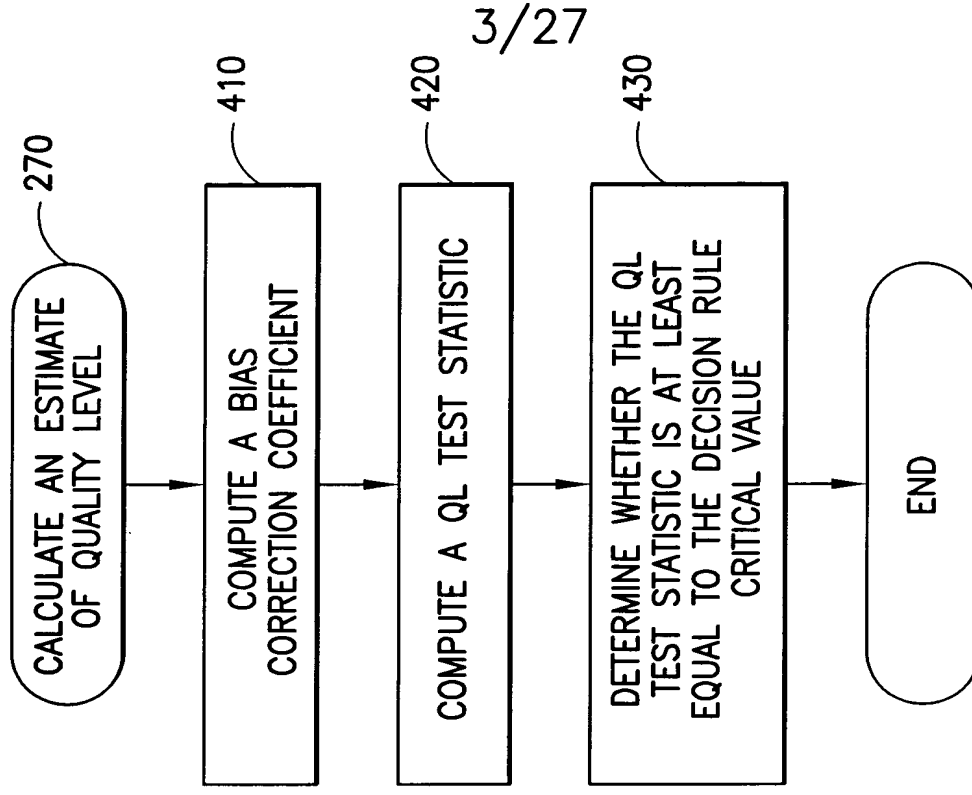


FIG.4

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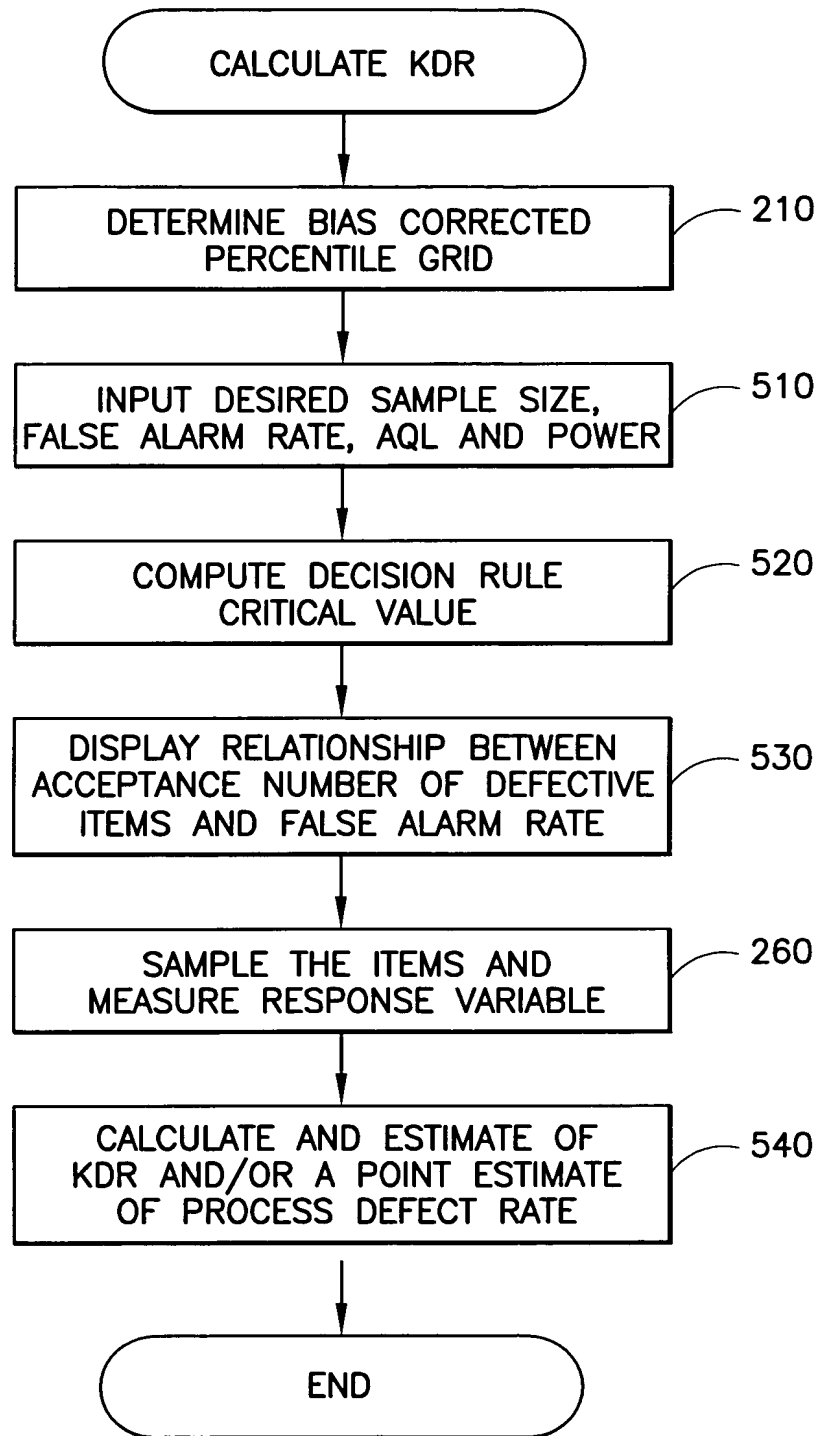


FIG.5

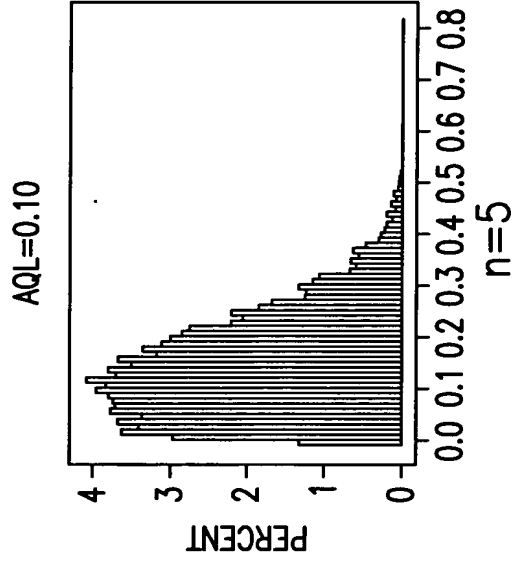


FIG. 6A

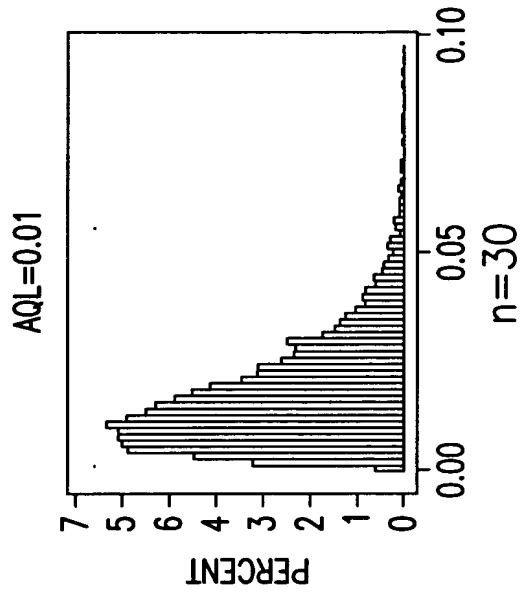


FIG. 6B

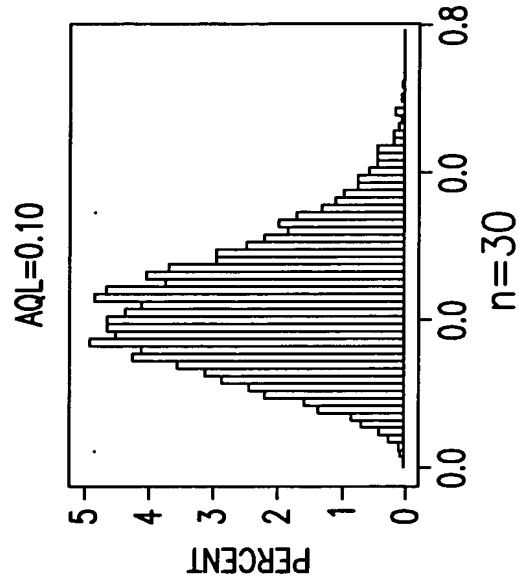


FIG. 6C

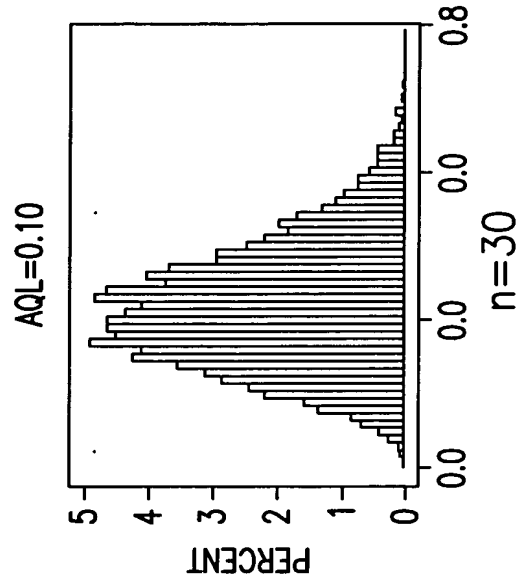


FIG. 6D

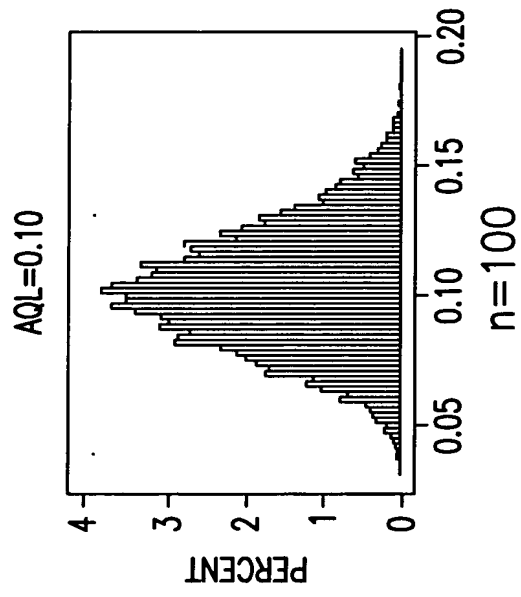


FIG.6F

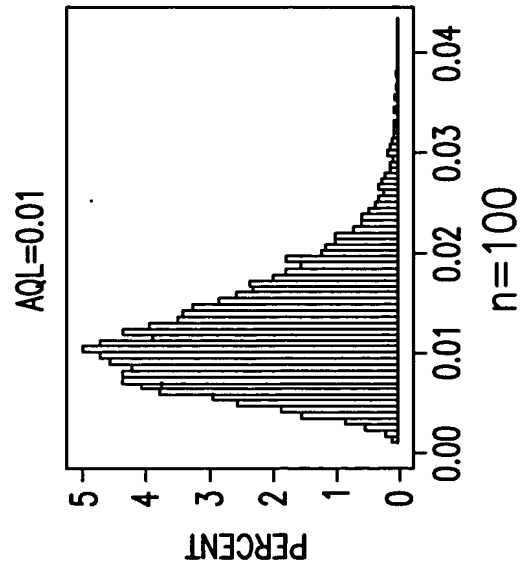


FIG.6E

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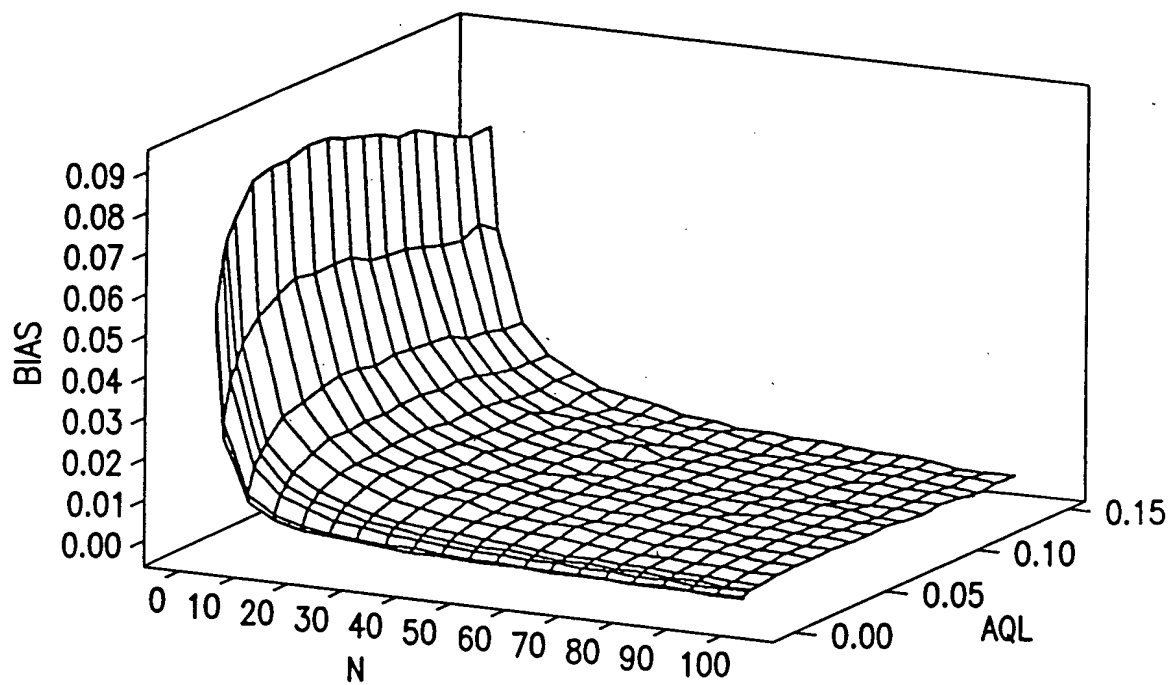


FIG.7

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BIAS CURVE, AQL=0.01

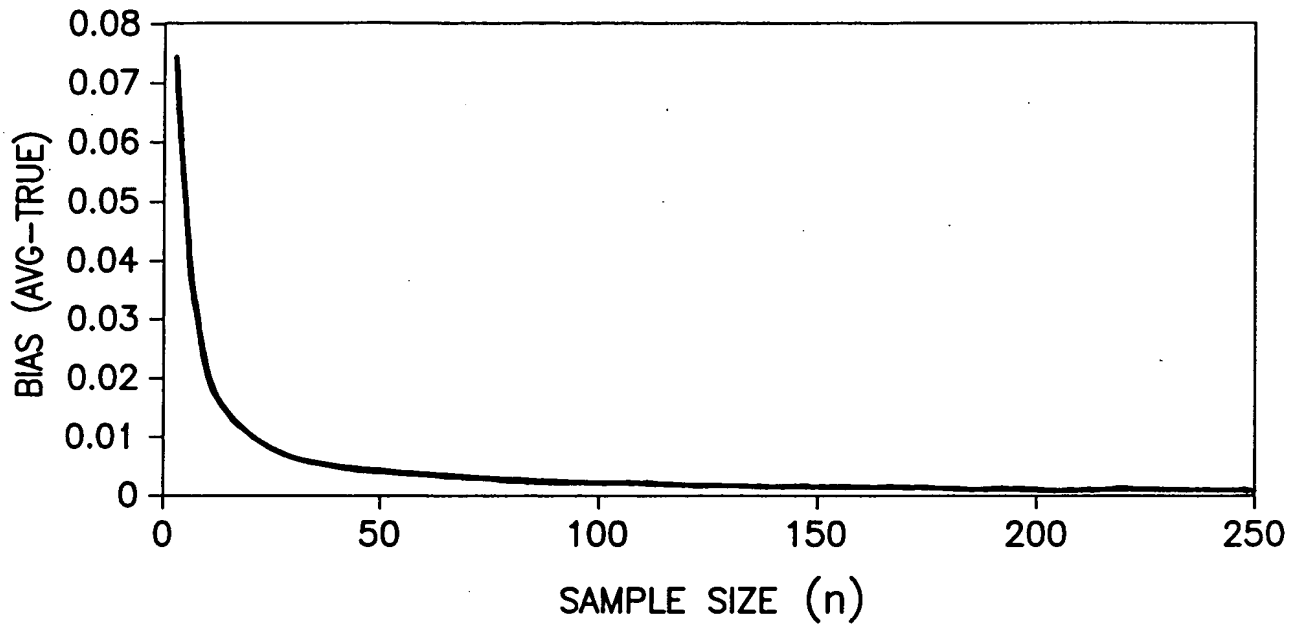


FIG.8A

BIAS CURVE, AQL=0.10

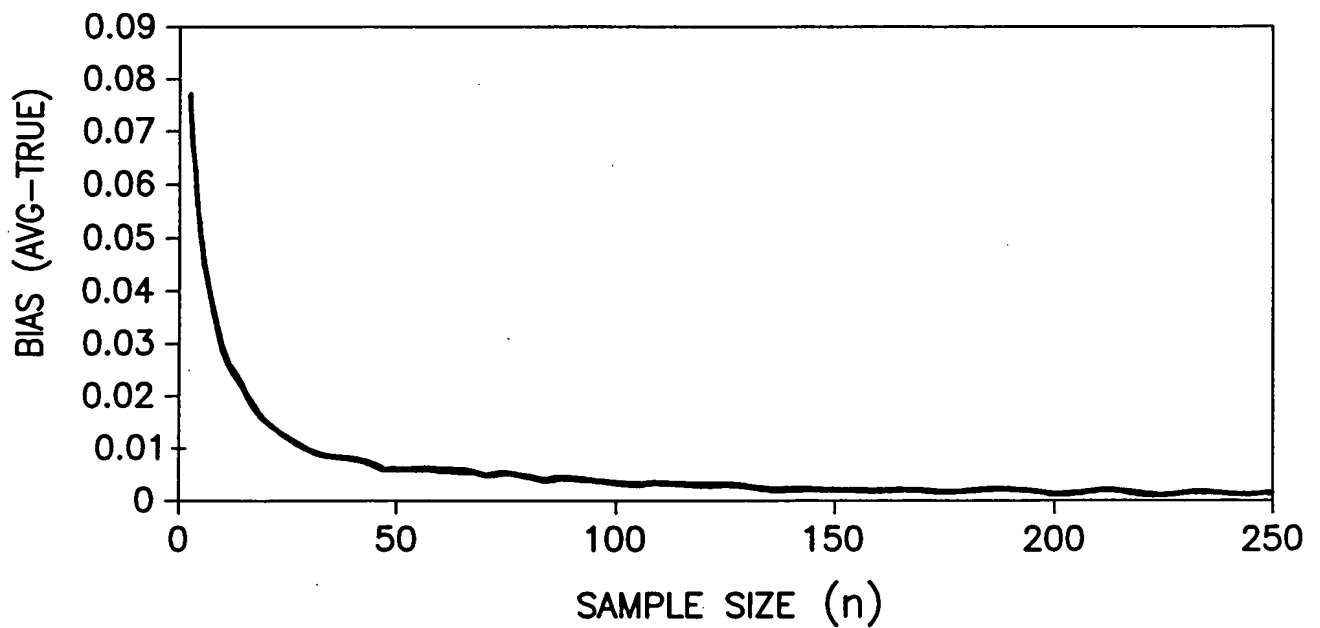


FIG.8B

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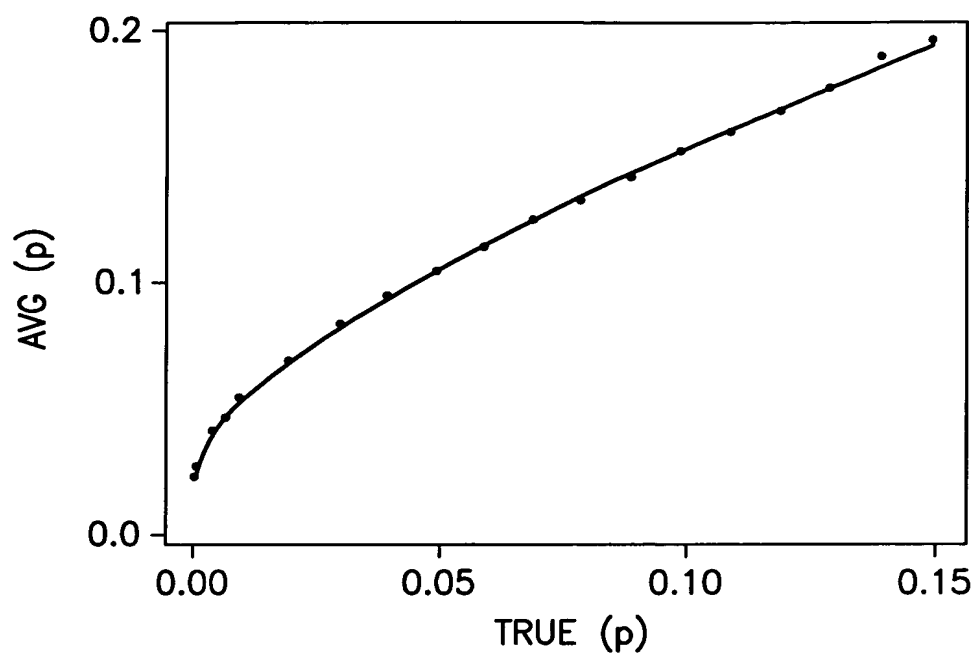


FIG.9A

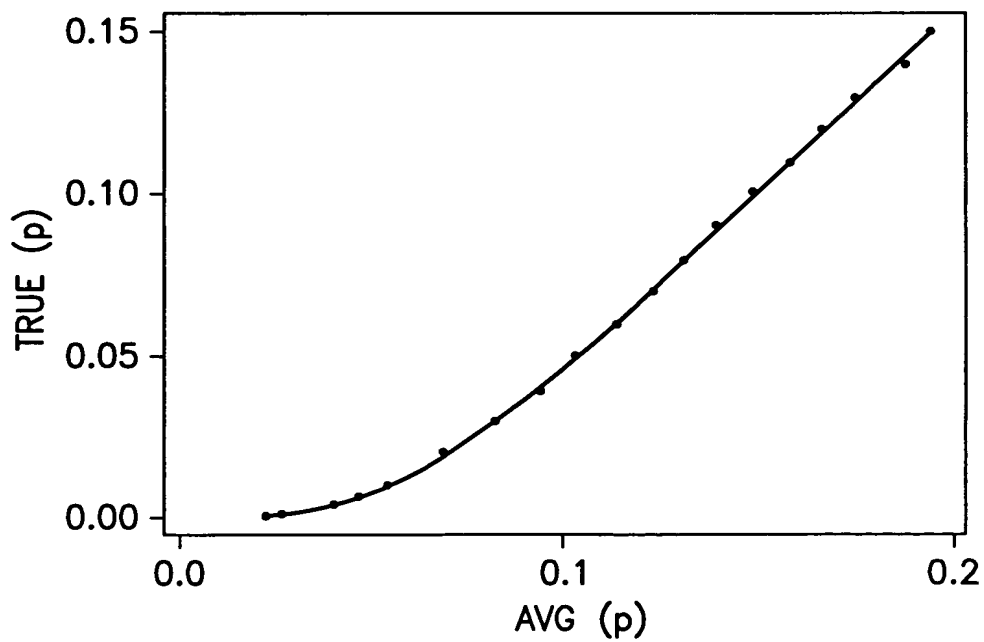


FIG.9B

[illegible]

FIG. 10B

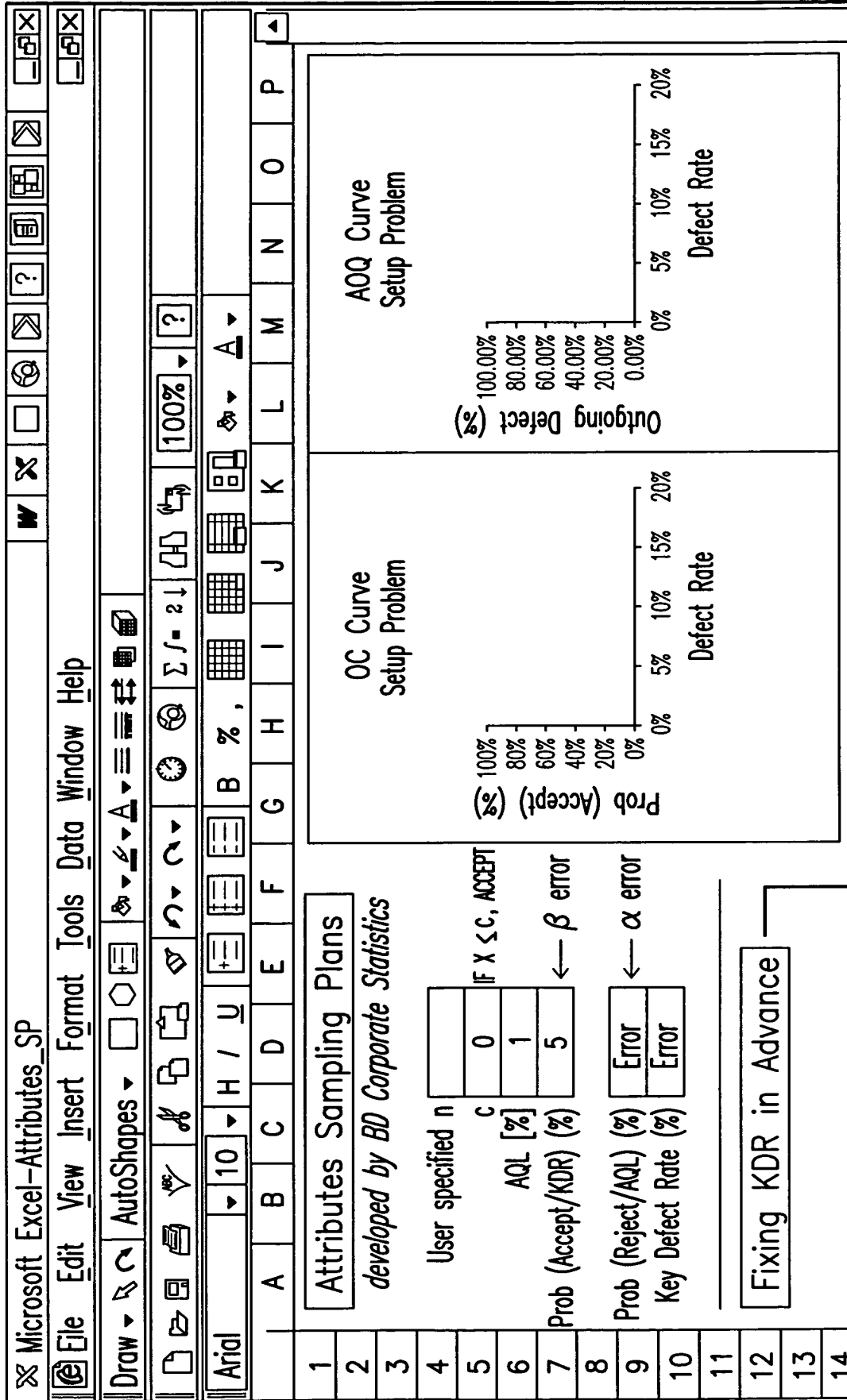


FIG. 12A

FIG. 12B

15	Desired KDR (%)	3
16	Required n	99
17	under these conditions	
18		
19		
20	c	0
21	AQL [%]	1.00
22	Target α (%)	10.00
23	True β error (%)	4.90
24	True α (%)	63.03
25	check	
26	USE F9 KEY TO RECALCULATE SHEET	
27	Plot Controls	
28	OC & AOQ Curves	
29	Max Rate (%)	
30	Maintaining the Key Defect Rate	
31	Max c	15
32	Target α (%)	10
33	Use Ctrl 0 to Copy the 3 charts	
34		
35		
36		

Maintaining the Key Defect Rate

Target: KDR=3% with at least 95% power: AQL=1%

Recommendation:
Type I Error is 10.15%
at n=392 & c=6

Acceptable Number of Defectives, c	Type I Error, α (%)
0	99
1	167
2	208
3	267
4	303
5	348
6	(392)
7	436
8	478
9	521
10	562
11	604
12	645
13	686
14	726
15	766

Attributes
Ready

FIG.12B

[illegible]

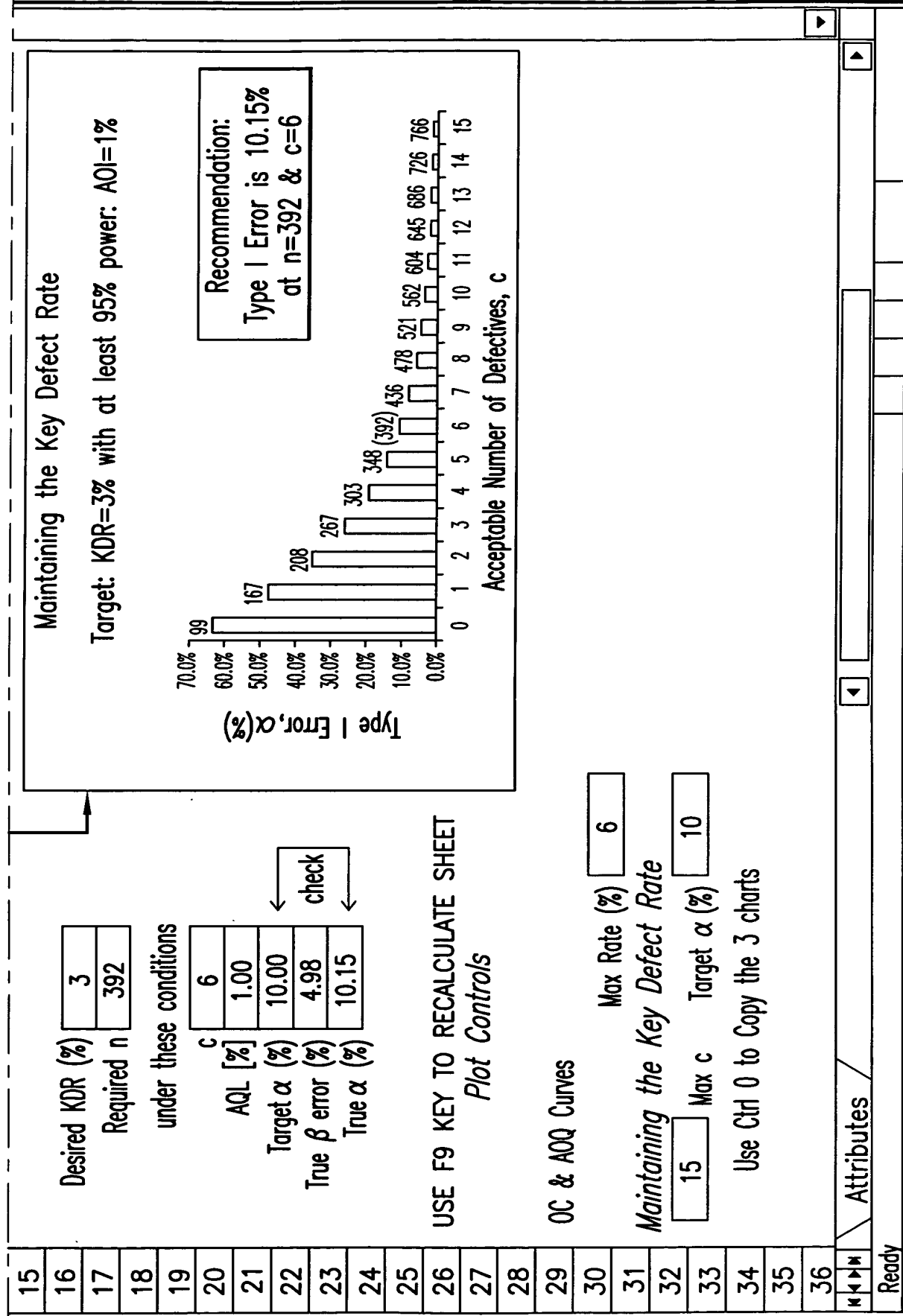


FIG.13B

Microsoft Excel-Attributes_SP

File Edit View Insert Format Tools Data Window Help

Draw ▾

AutoShapes ▾

100%

Font: Arial, 10

Style: Bold, Italic, Underline

Color: Black

Background: White

Effects: None

Clipboard

Recent

Tools

Windows

Help

Variable Data Sampling Plans

Based on the QL Test, developed by BD Corporate Statistics

CASE 1

key defect rate (KDR)

sample size (n)

CASE 2

key defect rate (KDR)

sample size (n)

AQL

α

power

sample size (n)

test cutoff (K)

estimated power

key defect rate

test cutoff (K)

estimated power

OC Curve

FIG.14A

FIG.14B

FIG.14A

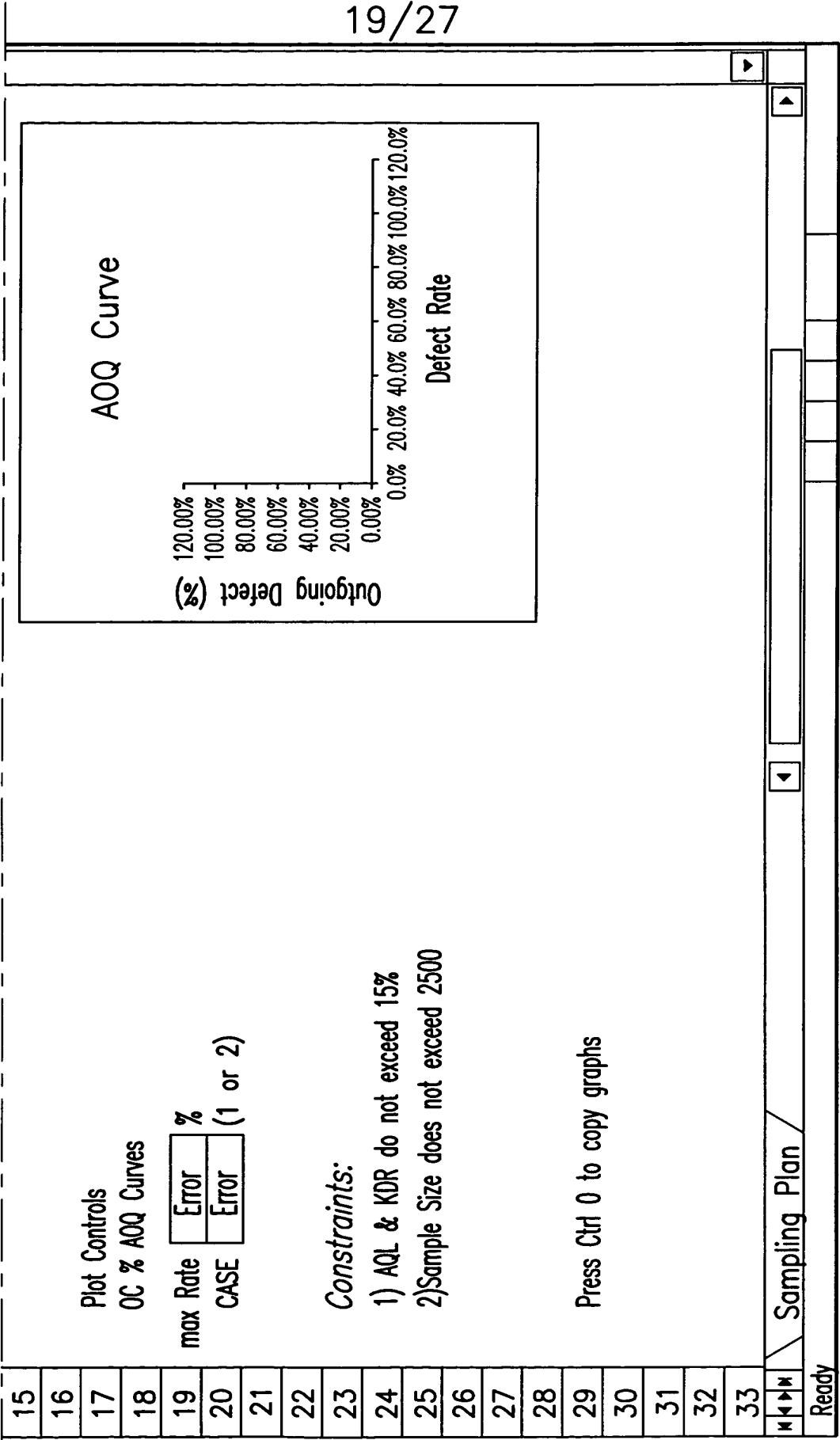


FIG.14B

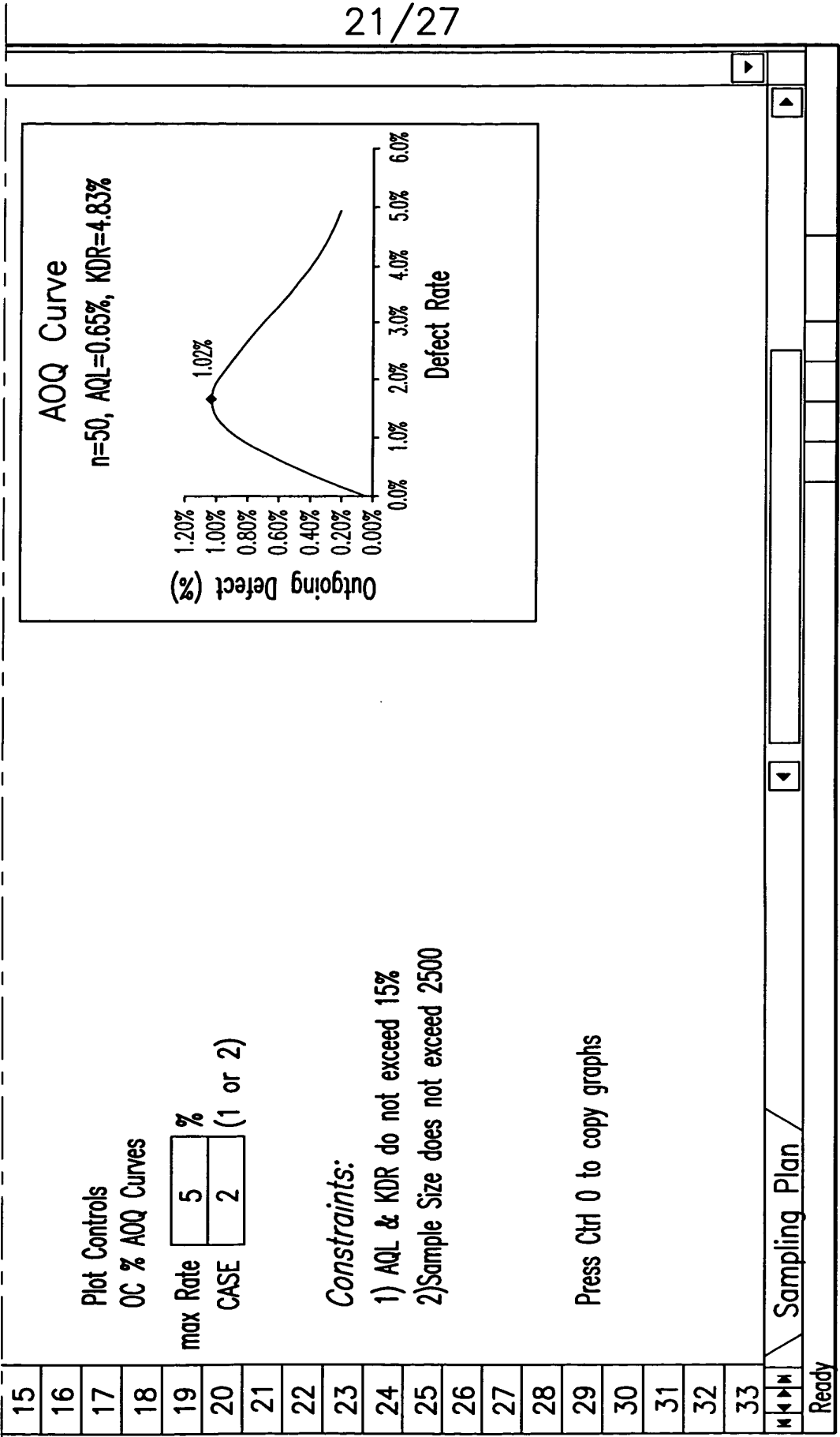


FIG.15B

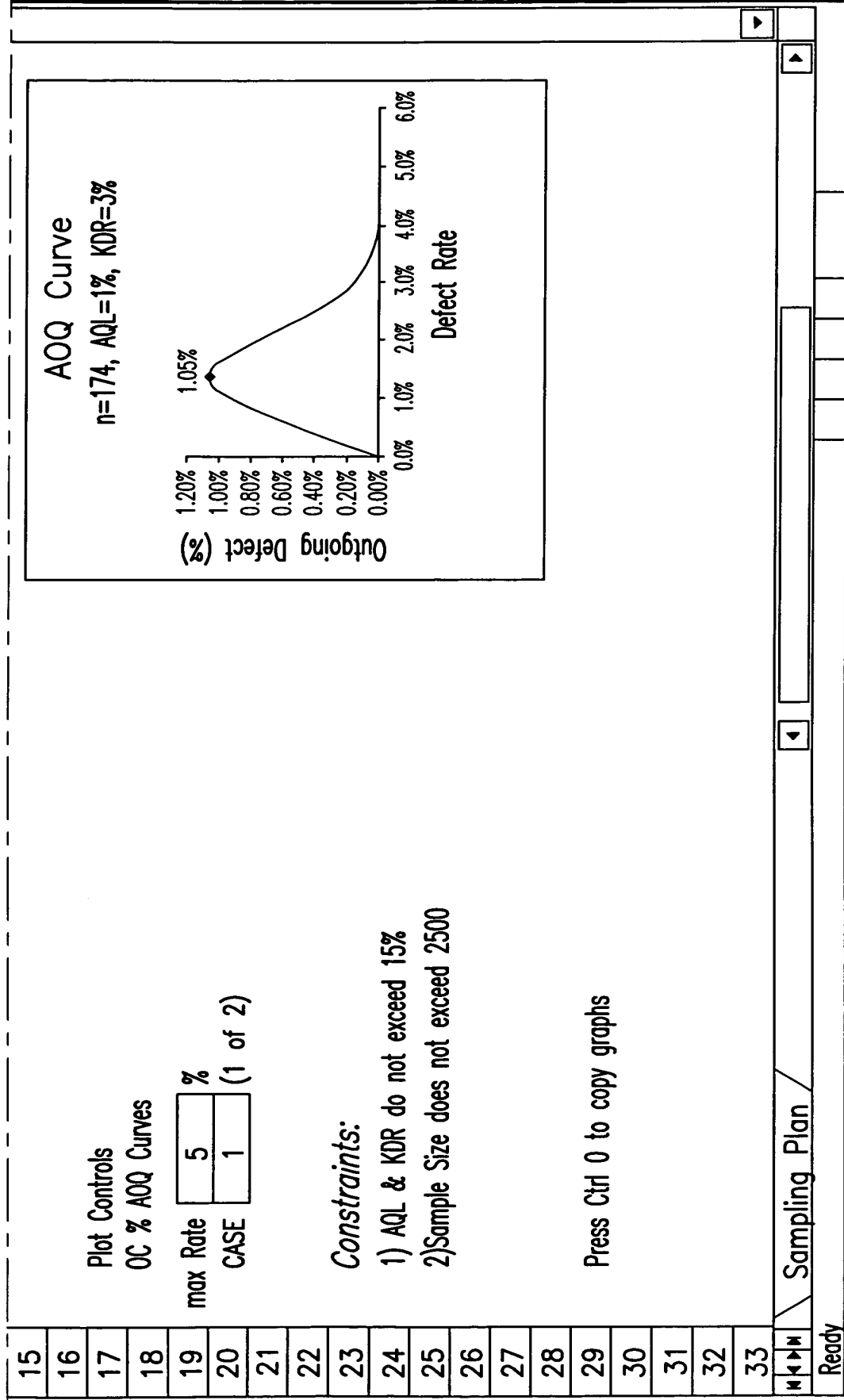


FIG.16B

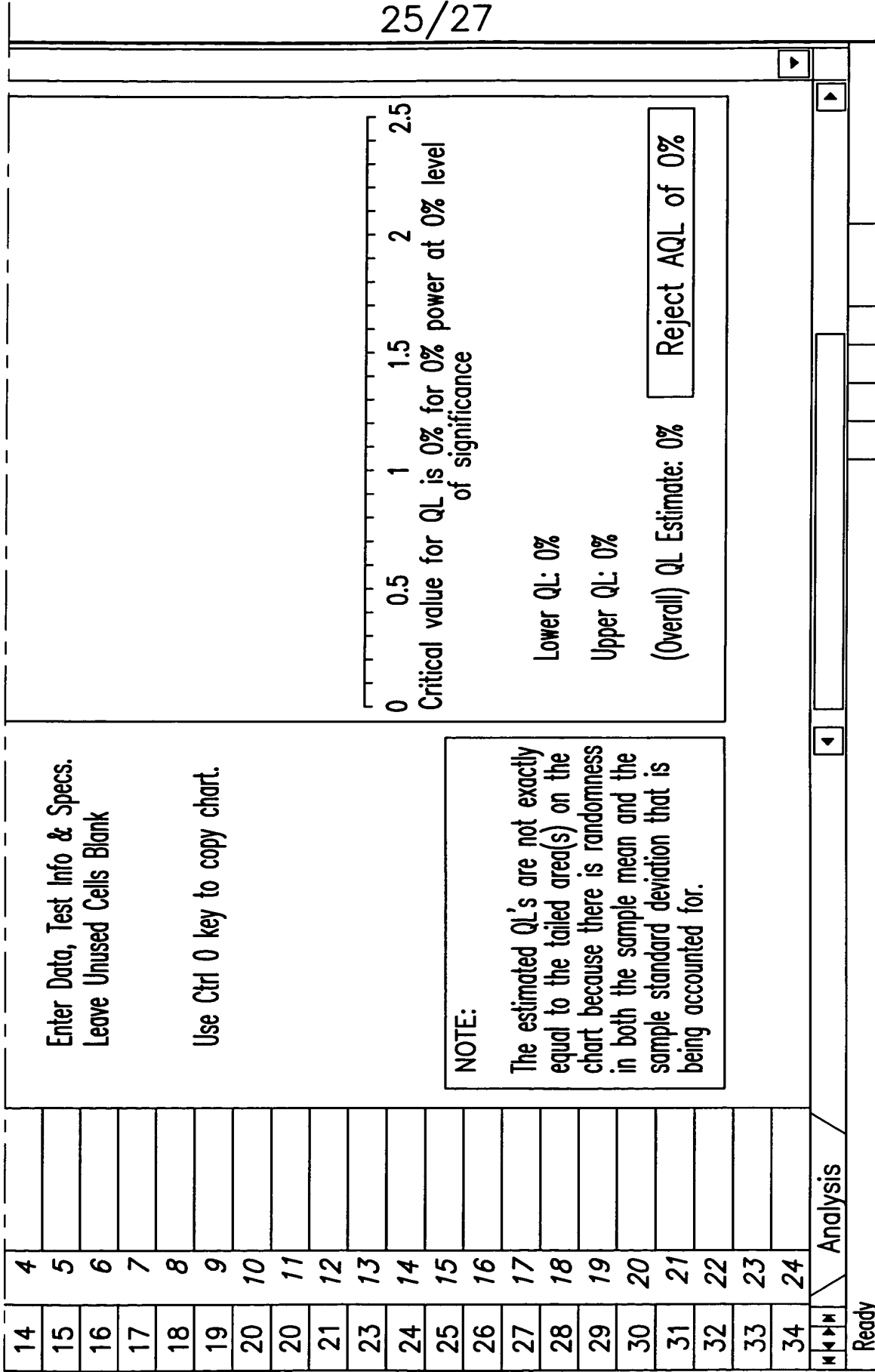


FIG.17B

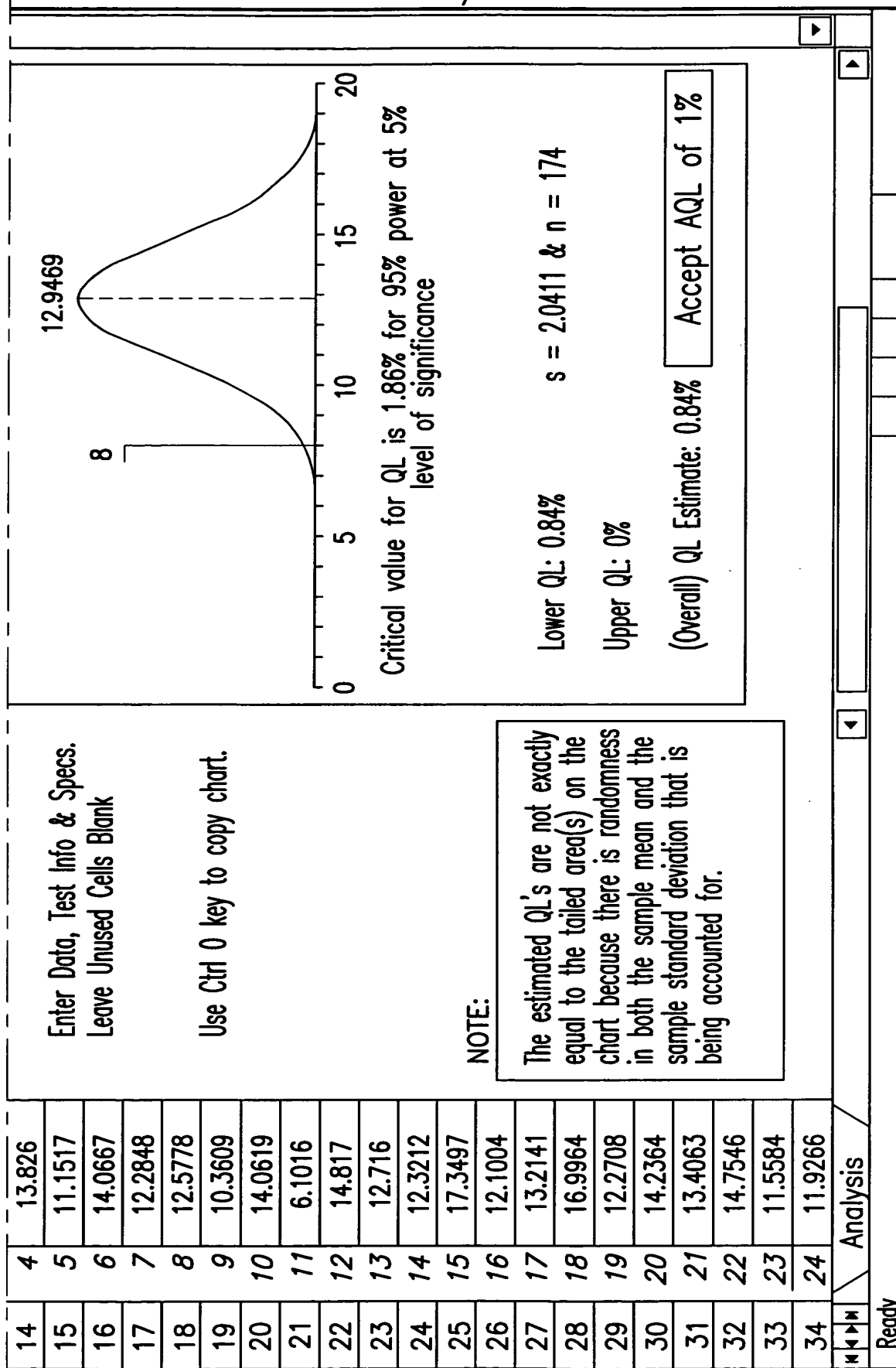


FIG.18B